



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 07, 1998

PTAS

LARSON & TAYLOR
THOMAS P. SARRO
1199 NORTH FAIRFAX ST., STE. 900
ALEXANDRIA, VA 22314



100775457A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/14/1998

REEL/FRAME: 9333/0804
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MORITA, KOICHI

DOC DATE: 05/01/1998

ASSIGNOR:

FUJIWARA, HIROMI

DOC DATE: 05/01/1998

ASSIGNOR:

NAKAGAWA, YOSHITERU

DOC DATE: 05/01/1998

ASSIGNOR:

KATSUURA, MASSAMITSU

DOC DATE: 05/01/1998

ASSIGNOR:

MATSUYOSHI, HIROAKI

DOC DATE: 05/01/1998

ASSIGNOR:

NISHIMURA, NAOTO

DOC DATE: 05/01/1998

ASSIGNOR:

TSUKUDA, YOSHIHIRO

DOC DATE: 05/01/1998

9333/0804 PAGE 2

ASSIGNOR:

MINATO, KAZUAKI

DOC DATE: 05/01/1998

ASSIGNOR:

MITATE, TAKEHITO

DOC DATE: 05/01/1998

ASSIGNOR:

YAMADA, KAZUO

DOC DATE: 05/01/1998

ASSIGNOR:

YONEDA, TETSUYA

DOC DATE: 05/01/1998

ASSIGNEE:

OSAKA GAS COMPANY LTD.
1-2, HIRANOMACHI 4-CHOME, CHUO-KU
OSAKA-SHI, OSAKA 541, JAPAN

ASSIGNEE:

SHARP CORPORATION
22-22, NAGAIKE-CHO, ABENO-KU
OSAKA-SHI, OSAKA 545, JAPAN

SERIAL NUMBER: 09068592

FILING DATE: 05/11/1998

PATENT NUMBER:

ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09/068592

07-27-1998

FORM PTO - 1595
1:31:92U.S. D
Patent100775457
PATENTS ONLY

CT/PTO 14 MAY 1998

A/P

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

- | | |
|------------------------|----------------------|
| 1. Koichi MORITA | 7. Yoshihiro TSUKUDA |
| 2. Hiromi FUJIWARA | 8. Kazuaki MINATO |
| 3. Yoshiteru NAKAGAWA | 9. Takehito MITATE |
| 4. Massamitsu KATSUURA | 10. Kazuo YAMADA |
| 5. Hiroaki MATSUYOSHI | 11. Tetsuya YONEDA |
| 6. Naoto NISHIMURA | |

2. Name and address of receiving party(ies):

Name: 1. OSAKA GAS COMPANY LTD.
2. SHARP CORPORATION

Street Address:

1. 1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541, JAPAN
2. 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545, JAPAN

3. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of name

☐ Other _____

Execution Date: May 1, 1998

4. Application number(s) or patent number(s): 09068592

If this document is being filed together with a new application, the execution date of the application is: May 1, 1998

A. Patent Application No. (s) including series no.

B. Patent No. (s)

New Application

Additional number attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **LARSON & TAYLOR**

Attention: Thomas P. Sarro

Street Address: Transpotomac Plaza
1199 North Fairfax St., Ste. 900

City: Alexandria State: Virginia ZIP: 22314

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 12-0555

(Attach duplicate copy of this page if paying by deposit account)

05/18/1998 WCLAYBRD 00000022 09068592

07-27-1998

40.00 DP

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

B. Aaron Schulman
Name of person signing

Signature

5/14/98

Date

Reg. No. 31877Total number of pages comprising cover sheet: 4

ASSIGNMENT OF PATENT APPLICATION

WHEREAS,

(1) MORITA Koichi, (2) FUJIWARA Hiromi, (3) NAKAGAWA Yoshiteru,
(4) KATSUURA Masamitsu, (5) MATSUYOSHI Hiroaki,
(6) NISHIMURA Naoto, (7) TSUKUDA Yoshihiro, (8) MINATO Kazuaki,
(9) MITATE Takehito, (10) YAMADA Kazuo, and (11) YONEDA Tetsuya,
residing respectively at

(1) 1-25-47-203, Hashiridani, Hirakata-shi, Osaka 573, Japan; (2) 18-2, Ibukino
1-chome, Izumi-shi, Osaka 594, Japan; (3) 370, Koizumi-cho, Yamatokoriyama-shi,
Nara 639-11, Japan; (4) 6-3-4-506, Torishima, Konohana-ku, Osaka-shi, Osaka 554,
Japan; (5) 2-14-2, Kanaoka, Higashi Osaka-shi, Osaka 577, Japan; (6) 192-1,
Hajikami, Shinjo-cho, Kitakatsuragi-gun, Nara 639-21, Japan; (7) 4-1-9-306,
Oji-cho, Abeno-ku, Osaka-shi, Osaka 545, Japan; (8) 5-1-2-1308, Shiginonishi,
Joto-ku, Osaka-shi, Osaka 536, Japan; (9) 65-4, Noguchi, Yamatotakada-shi, Nara
635, Japan; (10) 500-4, Hikita, Shinjo-cho, Kitakatsuragi-gun, Nara 639-21,
Japan; and (11) 17, Tsutsujigaoka Kita 9-bancho, Nabari-shi, Mie 518-04, Japan,
(hereinafter referred to as the "ASSIGNOR") has/have invented

certain new and useful improvements in MATERIAL FOR NEGATIVE ELECTRODE OF LITHIUM
SECONDARY BATTERY, METHOD FOR PRODUCTION THEREOF AND LITHIUM SECONDARY BATTERY USING THE SAME

for which ASSIGNOR has executed on even date herewith an
application for Letters Patent of the United States of America,
Serial No. _____

And WHEREAS, OSAKA GAS COMPANY LIMITED,
a company organized under the laws of Japan,
and having a principal place of business at 1-2, Hiranomachi
4-chome, Chuo-ku, Osaka-shi, Osaka 541, Japan, and
SHARP CORPORATION

a company organized under the laws of Japan,
and having a principal place of business at 22-22, Nagaike-cho,
Abeno-ku, Osaka-shi, Osaka 545, Japan

(hereinafter referred to as the "ASSIGNEE") is/are desirous of
acquiring the entire right, title and interest in and to said
application and the invention(s) and improvement(s) therein
disclosed, for the United States of America, and any Letters
Patent which may issue therefor in the United States and all
divisions, continuations, reissues, reexaminations, renewals
and/or extensions thereof.

NOW THEREFORE in consideration of the sum of ten U.S.
dollars (\$10.00) and other good and valuable consideration, the
receipt and sufficiency of which is hereby acknowledged, the
ASSIGNOR does hereby assign, sell, transfer and set over unto

the ASSIGNEE the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, reexaminations, renewals and/or extensions thereof, said ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, reexaminations, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will, upon request, communicate to said ASSIGNEE or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said United States application, and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue, reexamination, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said ASSIGNEE or by counsel for said ASSIGNEE, to assist or enable said ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon the ASSIGNOR's heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of the ASSIGNEE.

The Commissioner of Patents is requested to issue such Letters Patent in accordance with this assignment.

- (1) Signature: Koichi Morita
Name: MORITA Koichi,
Date: May 1, 1998
- (2) Signature: Hiromi Fujiwara
Name: FUJIWARA Hiromi
Date: May 1, 1998
- (3) Signature: Yoshi Nakagawa
Name: NAKAGAWA Yoshiteru
Date: May 1, 1998
- (4) Signature: Masamitsu Katsuura
Name: KATSUURA Masamitsu
Date: May 1, 1998
- (5) Signature: Hiroaki Matsuyoshi
Name: MATSUYOSHI Hiroaki
Date: May 1, 1998
- (6) Signature: Naoto Nishimura
Name: NISHIMURA Naoto
Date: May 1, 1998

- (7) Signature: Yoshihiro Tsukuda
Name: TSUKUDA Yoshihiro
Date: May 1, 1998
- (8) Signature: Kazuaki Minato
Name: MINATO Kazuaki
Date: May 1, 1998
- (9) Signature: Takehito Mitate
Name: MITATE Takehito
Date: May 1, 1998
- (10) Signature: Kazuo Yamada
Name: YAMADA Kazuo
Date: May 1, 1998
- (11) Signature: Tetsuya Yoneda
Name: YONEDA Tetsuya
Date: May 1, 1998